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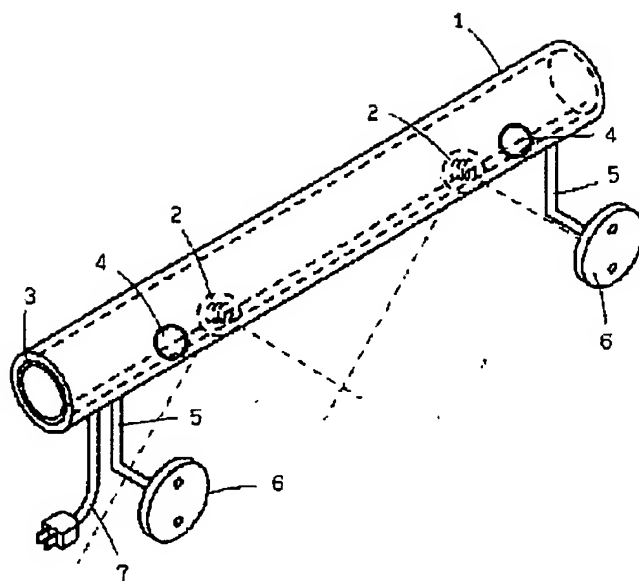
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INVENTOR : UETAKE ATSUSHI;

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TITLE : HANDRAIL WITH LIGHTING  
APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To easily distinguish existence of a handrail itself and sufficiently illuminate a passageway by providing a lighting apparatus and a dispersing device of the light emitted by the lighting apparatus in the inside of a transmissive and hollow handrail body and dispersing light toward the upper and longitudinal directions of the handrail through the light-dispersing device.

SOLUTION: A light-dispersing device 3 formed of a cylindrical light- dispersing plate is provided in the inside of a transmissive handrail body 1 made of a translucent polycarbonate hollow cylindrical body having a circular section. The cylindrical light-dispersing plate is made of polymethyl methacrylate, and titanium oxide is printed thereon together with an acrylic resin as a binder resin to scatter light and brighten the whole handrail body 1. A necessary number of lighting apparatuses 2 formed of an orange lamp and attached at every specified distance at the lower inside of the handrail body 1 are connected to a human body sensor 4 comprising an infrared ray sensor. When the human body sensor 4 attached to the nearby position of both ends of the handrail body 1 detects a human body, the lamp is turned on.

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